

Claims

1. Actuating device with a drive unit that features an electric motor, which motor is arranged in a housing and drives a drive shaft, and with a gear unit that features a drive gear arranged on the drive shaft at least in a rotationally fixed manner, which drive gear in a first gear stage meshes with at least one planetary gear that is embodied as a double toothed gear and is supported on an axle in a fixed position and so that it can pivot, whereby the drive gear drives the larger gear wheel of the double toothed gear, and the smaller gear wheel, which faces the direction of the output side, in a second gear stage meshes with an internally toothed gear or gear segment that is arranged on an output shaft in an at least rotationally fixed manner, so that the output shaft can be driven via the two gear stages, characterized in that a cover (4) is fixed to the housing (3) that tightly closes the drive unit (1) and the gear unit (2) on the outside and that is embodied in such a way that the bearing (28) of the outwards-facing output shaft (22) is embodied on one side and is arranged in the cover (4).
2. Actuating device according to Claim 1, characterized in that the gear unit (2) features only one planetary gear (17) that is arranged on an axle (18) so that it can pivot, which axle (18) is fixed to and supported by a motor end shield (9), in which shield the gear-side bearing (8) of the drive shaft (6) is also arranged and that can be connected firmly to the housing (3) of the electric motor (5).
3. Actuating device according to Claim 2, characterized in that the axle (18) of the double toothed gear (17) is supported in the cover (3) on the side opposite the motor end shield (9) and the internal gear or internal gear segment (21) features a corresponding recess (31).